

A comparison of laser triangulation and stylus scanning for measuring the roughness of sanded...

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Filtering the roughness of a sanded wood surface

L Gurau, H Mansfield-Williams, M Irle - Holz als Roh-und Werkstoff, 2006 - Springer

Any quantitative evaluation of the roughness of a sanded surface requires that the data is filtered to remove form errors and waviness. The cut-off length of a roughness filter is the value that determines which wavelengths are to be removed from profile data. Wood ...

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Separation of processing roughness from anatomical irregularities and fuzziness to evaluate the effect of grit size on sanded European oak

L Gurau, H Mansfield-Williams... - Forest Products Journal, 2007 - search.proquest.com

Sanded wood surfaces contain irregularities due to both the sanding process and the anatomy of the wood specimen. The anatomical roughness, which is independent of machining, must be excluded from any measured data of the surface if the processing ...

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The influence of measuring resolution on the subsequent roughness parameters of sanded wood surfaces

L Gurau, H Mansfield-Williams, M Irle - European Journal of Wood and ..., 2013 - Springer

No recommendation was found in the literature with regard to which measuring resolution should be used when measuring wood surfaces and requirements in the general standard ISO 3274 (1996) appear too stringent. Due to its variability, wood requires longer evaluation ...

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Influence de l'usinage du bois sur les caractéristiques objectives et sur la perception subjective de l'aspect d'une finition

C Coelho - 2006 - hal.univ-lorraine.fr

L'influence des paramètres d'usinage du bois sur la qualité de la surface finie a été étudiée. Les paramètres étudiés concernent les opérations d'usinage, de préparation de la surface et d'application des produits. Un plan d'expériences de Taguchi a été utilisé. La quantification ...

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The influence of earlywood and latewood upon the processing roughness parameters at sanding.

L GURĂU - Pro Ligno, 2014 - proligno.ro

Sanded wood surfaces contain irregularities caused by both the sanding process and the anatomy, so the anatomical roughness, which is independent of any machining operation, must be excluded from measurements of surface irregularities if the processing roughness is ...

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Surface Roughness Evaluation Methods for Wood Products: A Review

L Gurau, M Irle - Current Forestry Reports, 2017 - Springer

Abstract Purpose of Review Although surface roughness can have a huge impact on finishing costs and the perceived quality of wood products, there is a lack of consensus on how to measure and evaluate wood surface roughness. One reason for this is that the ...

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Analysis of roughness of sanded oak and beech surfaces.

L GURĂU - Pro Ligno, 2013 - proligno.ro

Sanded wood surfaces contain irregularities caused by both the sanding process and the anatomy, so the anatomical roughness, which is independent of any machining operation, must be excluded from measurements of surface irregularities if the processing roughness is ...

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Odunun işlenmesinde yüzey pürüzlülüğü üzerine etkili faktörler

S Tiryaki - Turkish Journal of Forestry, 2014 - dergipark.gov.tr

Mobilya ve dekorasyon endüstrisinde kullanılan ahşap ürünlerin yüzey pürüzlülüğünün ölçülmesi son ürünün kalitesinin tespit edilmesi bakımından oldukça önemlidir. Yüzey pürüzlülüğü odun ürünlerin estetikliğini ve pazarlanma aşamasında müşteri talebini önemli ...

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Effecting factors on surface roughness in wood machining

S Tiryaki - Turkish Journal of Forestry, 2014

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